

FILE 'MEDLINE, EMBASE, USPATFULL, BIOSIS, CAPLUS' ENTERED AT 13:35:25 ON
25 JUN 2003

L1	1326 S (TGF-BETA) (2A) RELATED
L2	999 S L1 AND PY<2001
L3	219 S L2 (S) HOMOLOG?
L4	149 DUP REM L3 (70 DUPLICATES REMOVED)

L Number	Hits	Search Text	DB	Time stamp
1	6140	TGF adj beta	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 13:19
2	266	(TGF adj beta) NEAR2 RELATED	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/06/25 13:19

ID AAI68099 standard; cDNA; 639 BP.
XX
AC AAI68099;
XX
DT 26-MAR-2002 (first entry)
XX
DE Human Ztgfbeta-10 polypeptide encoding cDNA.
XX
KW Transforming growth factor beta-10; Ztgfbeta-10; antiviral; cytostatic;
KW antiinflammatory; immunosuppressive; gene therapy; apoptosis; human; ss.
XX
OS Homo sapiens.
XX
FH Key Location/Qualifiers
FT CDS 1..639
FT /*tag= a
FT /product= "Ztgfbeta-10"
FT sig_peptide 1..42
FT /*tag= b
FT mat_peptide 43..636
FT /*tag= c
FT /note= "see ABB07194"
XX
PN WO200192305-A2.
XX
PD 06-DEC-2001.
XX
PF 29-MAY-2001; 2001WO-US17398.
XX
PR 31-MAY-2000; 2000US-208137P.
XX
PA (ZYMO) ZYMOGENETICS INC.
XX
PI Holloway JL;
XX
DR WPI; 2002-114324/15.
DR P-PSDB; ABB07193.
XX
PT New isolated anti-viral mammalian transforming growth factor beta-10
PT polypeptide for treating conditions associated with abnormal physiology
PT or development, such as cancerous or degenerative conditions -
XX
PS Claim 3; Page 51-52; 61pp; English.
XX
CC The invention relates to an anti-viral mammalian transforming growth
CC factor beta-10 (Ztgfbeta-10) polypeptide and polynucleotides encoding it.
CC The Ztgfbeta-10 polypeptide can be expressed by standard recombinant
CC methodology. The Ztgfbeta-10 is useful to regulate the proliferation,
CC differentiation and apoptosis of neurons, glial cells, lymphocytes,
CC haematopoietic cells and stromal cells, and to raise antibodies that bind
CC to the polypeptide. The Ztgfbeta-10 polypeptides, antibodies or anti-
CC idiotypic antibodies are useful for treating conditions associated with
CC abnormal physiology or development, including abnormal proliferation,
CC e.g., cancerous conditions or degenerative conditions, and to treat
CC inflammation. The Ztgfbeta-10 polynucleotides are useful in gene therapy
CC to treat human diseases such as cancer, immune and autoimmune diseases,
CC and diseases of the central and peripheral nervous system. The present

CC sequence represents a cDNA encoding the human Ztgfbeta-10 polypeptide.
XX
SQ Sequence 639 BP; 145 A; 173 C; 161 G; 160 T; 0 other;

Query Match 60.3%; Score 401.2; DB 24; Length 639;
Best Local Similarity 96.9%; Pred. No. 5.5e-121;
Matches 409; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

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Qy 81 TGGTTTTACCTCATATTCAAAAAAACCTTAATCTCTAATGTGGAGCAGCTGATCCTGG 140
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Db 218 TGTTTCACCTGCCTTATGTCCAGAAACCTTAATCTCTAATGTGGAGCAGCTGATCCTGG 277

Qy 141 GGATCCCGGGCCAGAATCGCCGGGAGATAGGCCATGGCCAGGATATCTTTCCAGCAGAGA 200
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Db 278 GGATCCCGGGCCAGAATCGCCGGGAGATAGGCCATGGCCAGGATATCTTTCCAGCAGAGA 337

Qy 201 AGCTCTGCCATCTGCAGGATCGCAAGGTGAACCTTCACAGAGCTGCCTGGGGCGAGTGTA 260
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Db 338 AGCTCTGCCATCTGCAGGATCGCAAGGTGAACCTTCACAGAGCTGCCTGGGGCGAGTGTA 397

Qy 261 TTGTTGCACCCAAGACTCTCAGCTTCTCTTACTGTGAGGGGACCTGCCCCGGCCCTCAACA 320
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Db 398 TTGTTGCACCCAAGACTCTCAGCTTCTCTTACTGTGAGGGGACCTGCCCCGGCCCTCAACA 457

Qy 321 GTGAGCTCCGTCATTCCAGCTTTGAGTGCTATAAGAGGGCAGTACCTACCTGTCCCTGGC 380
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Db 458 GTGAGCTCCGTCATTCCAGCTTTGAGTGCTATAAGAGGGCAGTACCTACCTGTCCCTGGC 517

Qy 381 TCTTCCAGACCTGCCGTCCCACCATGGTCAGACTCTTCTCCCTGATGGTCCAGGATGACG 440
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Db 518 TCTTCCAGACCTGCCGTCCCACCATGGTCAGACTCTTCTCCCTGATGGTCCAGGATGACG 577

Qy 441 AACACAAGATGAGTGTGCACTATGTGAACACTTCCTTGGTGGAGAAGTGTGGCTGCTCTT 500
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Db 578 AACACAAGATGAGTGTGCACTATGTGAACACTTCCTTGGTGGAGAAGTGTGGCTGCTCTT 637

Qy 501 GA 502
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Db 638 GA 639
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